BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Improvements to Drains and Laying Covering Slabs at Telecom Layout in Ward No. 05 Byatarayanapura Sub Division

							Estimate Cost Rs.		1000000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 143/ Item No. 19.1/ PWD SR 2018-19	Cum							
	For Road Surface		1	135.00	5.50	0.30	222.75		
	Desiling of Drains		1	51.00	0.45	0.30	6.89		
	For Flaging Course								
	Telecom Layout 15th Cross		2	51.00	0.25	0.30	7.65		
							237.29	137.80	**32698.00**
	Basic Rate	130.00							
	Area Weightage @ 6%	7.80							
	Total	**137.80**							
2	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 13/ Item No. 4.3/ PWD SR 2018-19	**Cum**							
	For Flaging Course Drain								
	Cross Roads		1	51.00	0.25	0.15	3.83		
							3.83	5408.12	**20686.00**
	Basic Rate	5102.00							
	Area Weightage @ 6%	306.12							
	Total	**5408.12**							
3	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2018-19	**cum**							
			1	51.00	0.90	0.15	6.89		
	For Flaging Course Coaping								
	Cross Roads		1X2	51.00	0.20	0.10	2.04		
							8.93	5627.54	**50226.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	5309.00							
	Area Weightage @ 6%	318.54							
	Total	**5627.54**							
4	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 26/ Item No. 5.27/ PWD SR 2018-19	Sqm							
	For Raising Course Drain								
			2X1	51.00		0.20	20.40		
							20.40	966.72	**19721.00**
	Basic Rate	912.00							
	Area Weightage @ 6%	54.72							
	Total	**966.72**							
5	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqm							
			1	51.00	1.80		91.80		
							91.80	2100.00	**192780.00**
	Data Rate	**2100.00**							
	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406,P No. 155/ Item No. 20.18/ PWD SR 2018-19	Cum							
	For Road		1	135.00	5.50	0.20	148.50		
							148.50	2001.28	**297190.00**
	Basic Rate	1888.00							
	Area Weightage @ 6%	113.28							
	Total	**2001.28**							
7	KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity MORTH chapter 5, No. 158/ Item No. 21.6/ PWD SR 2018-19	Sqm							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	135.00	8.20		1107.00		
							1107.00	36.04	**39896.00**
	Basic Rate	34.00							
	Area Weightage @ 6%	2.04							
	Total	**36.04**							
	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. P. No. 159/ Item No. 21.20.1/ PWD SR 2016-17	Cum							
			1	135.00	8.20	0.030	33.21		
							33.21	6429.96	**213539.00**
	Basic Rate	6066.00							
	Area Weightage @ 6%	363.96							
	Total	**6429.96**							
9	KSRRB M100-2. Loading and Unloading of stone boulders by manual means complete as per specification MORTH-100/chapter-1 Page No. 136/ Item No. 17.1/ PWD SR 2018-19	Cum							
			Qty. Vide Item No. 1+2				**237.29**		
							237.29	60.42	**14337.00**
	Basic Rate	57.00							
	Area Weightage @ 6%	3.42							
	Total	**60.42**							
							Grand Total		**881073.00**
10	For 12% Applicable GST								**105729.00**
11	For 1% PMC Charges								**8811.00**
12	Miscesallaneous Charges	L/S							**4387.00**
									1000000.00

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 06(Thanisandra)

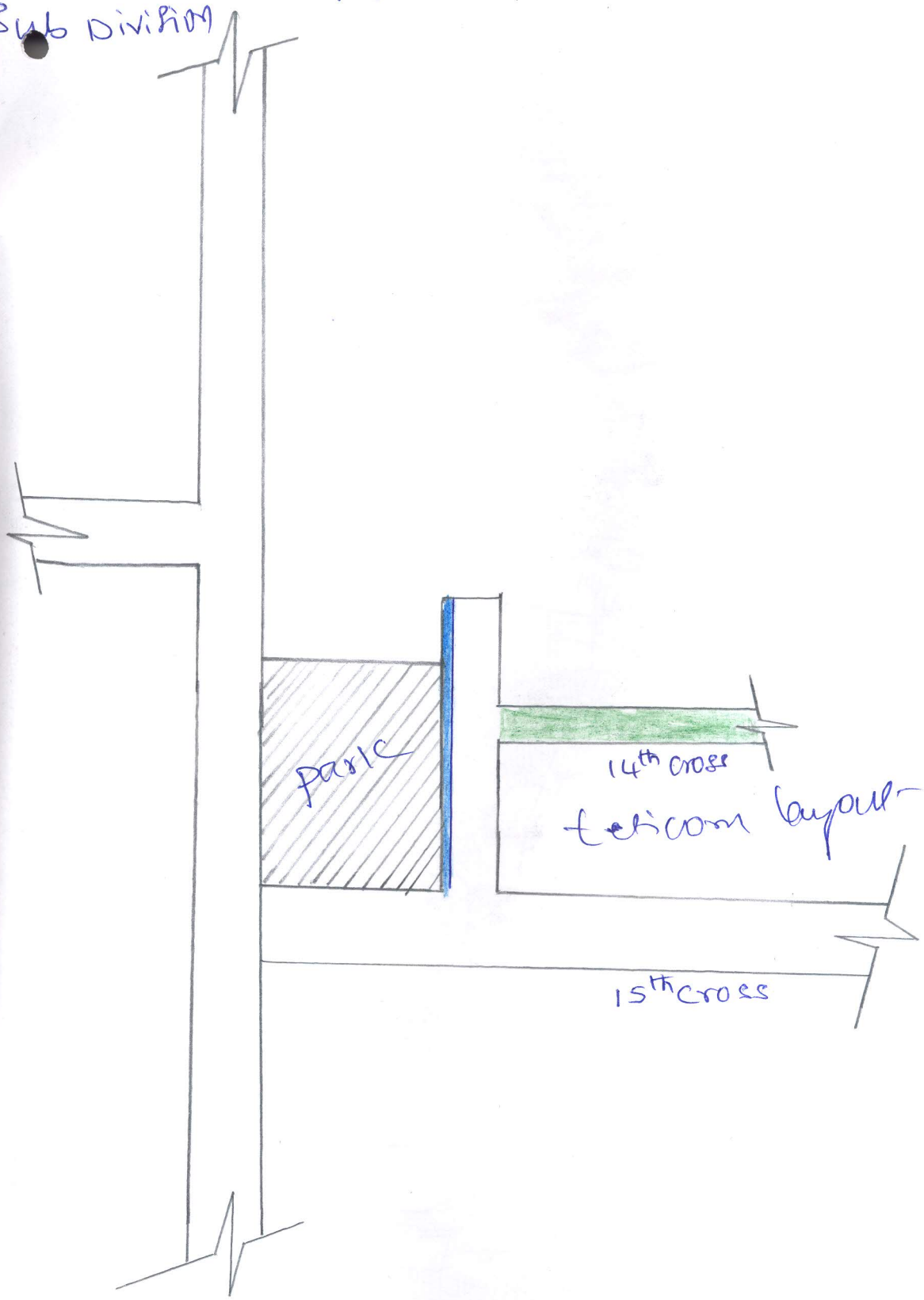
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Assistant Executive Engineer
Byatarayanapura Sub Division

ADMINISTRATIVE APPROVAL
Accorded For Rs. 10.00 Lakhs
Head of A/c. P1771
Div. Ref. No. 12/19-20 Date 6-7-19
AE 6/07
EE(BTP)

TECHNICAL SANCTION
Accorded For Rs. 10.00 Lakhs
Head of A/c. P1771
Div. Ref. No. 22/19-20 Date 6-7-19
AE 6/07
EE(BTP)

Improvements to Drains & laying covering slab at Telicom layout in ward No 5 Byatarayanpura Sub Division



ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24